

President - Texas Division
 Southwestern Bell Telephone Company
 Dallas, Texas
 Issued: November 26, 1991
 Effective: February 24, 1993

ACCESS SERVICE TARIFF
 Section: 7
 Sheet: 54
 Revision: Original
 Replacing:

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service (Cont'd)

(G) Rates and Charges

Each rate element is shown with its associated USOC, were appropriate.

(1) <u>Channel</u>	Monthly Rate		<u>Nonrecurring Charge</u>
	<u>Fixed</u>	<u>Per Mile</u>	
<u>Termination</u>			
Per point of termination			
Two-wire (T6E2X)	\$ 25.84		\$ 78.05
Four-wire (T6E4X)	44.68		78.05
(a) Inside Wire Charge (WMJ)			
Per Channel Termination	5.18		0.00
WATS Access Line Termination			
- Applicable to non-Joint provided intrastate interLATA only WATS and 800	40.50		78.05
Digital WAL {1} (T6EDX)	0.00		0.00
(2) <u>Channel Mileage</u> (1L5XX)			
0 miles	0.00	0.00	
Over 0 to 4	15.56	3.26	
Over 4 to 8	15.56	3.26	
Over 8 to 25	17.84	2.98	
Over 25 to 50	31.34	2.44	
Over 50	31.34	2.44	
(3) (Reserved for Future Use)			
(4) <u>Data Bridging</u>			
Per port			
Two-wire (BCND2)	4.51		0.00
Four-wire (BCND4)	4.51		0.00

{1} Additive available in conjunction with customer ordered Digital High Capacity facility in 7.3.10 (High Capacity Service).

President - Texas Division
 Southwestern Bell Telephone Company
 Dallas, Texas
 Issued: October 12, 1994
 Effective: December 22, 1994

ACCESS SERVICE TARIFF
 Section: 7
 Sheet: 55
 Revision: 2
 Replacing: 1

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service (Cont'd)

(G) Rates and Charges (Cont'd)

(5)	<u>DATAPHONE</u> <u>Select-A-Station</u> <u>Bridging</u>	Monthly Rate		Nonrecurring Charge
		Fixed	Per Mile	
	<u>Addressable</u> <u>Arrangement Ports</u>			
	Per 2-wire channel connected (KQ2)	\$ 4.77		\$ 0.00
	Per 4-wire channel connected (KQ4)	32.06		0.00
	<u>Sequential</u> <u>Arrangement Ports</u>			
	Per 2-wire channel connected (DQ2)	4.77		0.00
	Per 4-wire channel connected (DQ4)	32.06		0.00
(6)	<u>Telemetry and Alarm</u> <u>Bridging</u>			
	<u>Active Bridging</u> <u>Channel Connections</u>			
	Split Band, per channel connected (CNLRX)	0.71		0.00
	Summation, per channel connected (BCNSA) (1)	3.02		0.00
(7)	(Reserved for Future Use)			
(8)	<u>Voice Bridging</u>			
	Per port			
	Two-wire (BCNV2)	4.51		0.00
	Four-wire (BCNV4)	4.51		0.00

(1) Obsolete -- Applicable to existing installations at existing locations for existing customers. (N)
 (N)

President - Texas Division
 Southwestern Bell Telephone Company
 Dallas, Texas
 Issued: October 12, 1994
 Effective: December 22, 1994

ACCESS SERVICE TARIFF
 Section: 7
 Sheet: 56
 Revision: 1
 Replacing: Original

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service (Cont'd)

(G) Rates and Charges (Cont'd)

	Monthly Rate <u>Fixed</u>	<u>Per Mile</u>	<u>Nonrecurring Charge</u>	
(9) (Reserved for Future Use)				(D) (T) (D)
(10) <u>Conditioning</u>				
<u>C-Type</u> (1)				
Per point of termination (X1CPT)	3.08		0.00	
<u>Improved Attenuation Distortion (IAD)</u> (2)				(T)
Per WAL point of termination (ORA)	0.00		0.00	
<u>Sealing Current Conditioning</u> (1HSPT)				
Per point of termination	0.00		0.00	
(11) <u>Data Capability</u>				
Per point of termination (XDCPT)	4.47		234.00	
(12) (Reserved for Future Use)				(D) (T) (D)
(13) (Reserved for Future Use)				
(14) <u>Improved Return Loss</u>				
Per two-wire point of termination (1RL2W)	3.20		0.00	
(15) <u>Improved Termination</u>				
Per four-wire point of termination (1RL4W)	3.20		0.00	

- (1) Obsolete, and limited to existing installations at existing location, (N)
 for existing customers as of February 8, 1989. (N)
- (2) Obsolete -- Applicable to existing installations at existing locations
 for existing customers.

ACCESS SERVICE TARIFF
Section: 7
Sheet: 57
Revision: 1
Replacing: Original

7.3 Service Descriptions, Rates and Charges (Cont'd)

(G) Rates and Charges (Cont'd)

[1] In lieu of ++, substitute appropriate two digit code from the following list to specify type of signaling:

(D)
-
-
-
-
(D)

President - Texas Division
Southwestern Bell Telephone Company
Dallas, Texas
Issued: November 26, 1991
Effective: February 24, 1993

ACCESS SERVICE TARIFF
Section: 7
Sheet: 58
Revision: Original
Replacing:

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service (Cont'd)

(G) Rates and Charges (Cont'd)

	Monthly Rate <u>Fixed</u>	<u>Per Mile</u>	<u>Nonrecurring Charge</u>
(20) (Reserved for Future Use)			
(21) (Reserved for Future Use)			
(22) (Reserved for Future Use)			
(23) (Reserved for Future Use)			
(24) (Reserved for Future Use)			

President - Texas Division
Southwestern Bell Telephone Company
Dallas, Texas
Issued: June 29, 1994
Effective: July 19, 1994

ACCESS SERVICE TARIFF
Section: 7
Sheet: 68
Revision: 2
Replacing: 1

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.9 Digital Link

(A) Basic Channel Description

A Digital Link channel provided as a Package 1-4 and referred to as MegaLink II Premium Digital Service is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by SWBT through SWBT's facilities to the customer in the received bit stream. Digital Link channels are provided between customer designated premises for two-point service or between a customer designated premises and a SWBT digital hub for multipoint or multiplexed service.

A Digital Link Service channel provided as a Package 6-9 and referred to as MegaLink I Standard-Digital Service is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service that may be independently timed when access to a nationwide synchronization network is not available. MegaLink I channels are only available via SWBT designated hubs.

When a single Digital Link channel is ordered to be terminated at a customer's designated Interexchange Carrier's all-digital POP which requires a minimum digital interface level of 1.544 Mbps, SWBT will provide the required interface where facilities are available.

It is the customer's responsibility to arrange for the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Link channel at the customer premises.

(B) Technical Specifications Packages

Transmission	Package DL-							
<u>Parameter</u>	1	2	3	4	6	7	8	9
Error-Free								
Seconds	X	X	X	X	NA	NA	NA	NA

SWBT will provide a channel capable of meeting a monthly average performance greater than or equal to 99.875% error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in the appropriate Technical Reference for Digital Link Service.

For MegaLink I - Standard Digital Service, SWBT will provide a channel capable of meeting the technical parameters as set forth in the appropriate Technical Reference for Digital Link Service at SWBT's demarcation point.

(T)

Voltages which are compatible with Digital Link Service are delineated in the appropriate Technical Reference for Digital Link Service.

ACCESS SERVICE TARIFF
Section: 7
Sheet: 69
Revision: 1
Replacing: Original

7.3 Service Descriptions, Rates and Charges (Cont'd)

(C) Channel Interfaces (CI)

CI	Bit Rate
DU-24	2.4 kbps (DL1 or DL6)
DU-48	4.8 kbps (DL2 or DL7)
DU-96	9.6 kbps (DL3 or DL8)
DU-56	56 kbps (DL4 or DL9)

(E) Optional Features and Functions

	1	2	3	4	5	6	7	8	9
Central Office Bridging Capability	X	X	X	X	NA	NA	NA	NA	NA
Secondary Channel Capability	X	X	X	X	NA	NA	NA	NA	NA

(1) Central Office Bridging Capability

(2) Secondary Channel Capability

(D)

(D)

President - Texas Division
 Southwestern Bell Telephone Company
 Dallas, Texas
 Issued: November 26, 1991
 Effective: February 24, 1993

ACCESS SERVICE TARIFF
 Section: 7
 Sheet: 70
 Revision: Original
 Replacing:

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.9 Digital Link (Cont'd)

(F) Rates and Charges

Each rate element is shown with its associated USOC, where appropriate.

(1) <u>Channel Termination</u> (T6ECS)	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Per point of termination		
2.4 kbps DL1	\$ 85.39	\$ 148.00
4.8 kbps DL2	80.59	148.00
9.6 kbps DL3	81.63	148.00
56 kbps DL4	138.19	224.00
2.4 kbps DL6 {1}	For rates - refer to Digital Link Service Tariff - Section 2 MegaLink I	
4.8 kbps DL7 {1}		
9.6 kbps DL8 {1}		
56 kbps DL9 {1}		

(a) Inside Wire Charge

- Per Channel Termination (WMJ)	5.18	None
---------------------------------	------	------

(2) <u>Channel Mileage</u> (1L5XX)	<u>Monthly Rates</u>		<u>Nonrecurring Charge</u>
	<u>Fixed</u>	<u>Per Mile</u>	
2.4 kbps (DL1)			
<u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 to 4	69.50	3.13	
Over 4 to 8	75.79	1.57	
Over 8 to 25	82.07	0.79	
Over 25 to 50	91.87	0.39	
Over 50	97.84	0.27	
4.8 kbps (DL2)			
<u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 to 4	69.37	1.81	
Over 4 to 8	69.37	1.81	
Over 8 to 25	74.79	1.13	
Over 25 to 50	77.81	1.02	
Over 50	77.81	1.02	
9.6 kbps (DL3)			
<u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 to 4	101.37	2.86	
Over 4 to 8	101.37	2.86	
Over 8 to 25	112.01	1.53	
Over 25 to 50	119.37	1.22	
Over 50	119.37	1.22	

{1} Inside wire charges are not applicable on DL6-9.

President - Texas Division
Southwestern Bell Telephone Company
Dallas, Texas
Issued: November 26, 1991
Effective: February 24, 1993

ACCESS SERVICE TARIFF
Section: 7
Sheet: 71
Revision: Original
Replacing:

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.9 Digital Link (Cont'd)

(F) Rates and Charges (Cont'd)

(2) Channel Mileage (Cont'd)

	Monthly Rate		Nonrecurring Charge
	<u>Fixed</u>	<u>Per Mile</u>	
56 kbps (DL4)			
<u>Mileage Bands</u>			
0 miles	\$ 0.00	\$ 0.00	
Over 0 to 4	164.91	7.38	
Over 4 to 8	173.32	5.27	
Over 8 to 25	194.43	2.65	
Over 25 to 50	194.43	2.65	
Over 50	194.43	2.65	

2.4 kbps (DL6)
End-User or IC's For rates - refer to
- Wire Center to Digital Link Service
Standard-Digital Tariff - Section 2
Serving Hub MegaLink I
- Hub to Hub

4.8 kbps (DL7)
End-User or IC's For rates - refer to
- Wire Center to Digital Link Service
Standard-Digital Tariff - Section 2
Serving Hub MegaLink I
- Hub to Hub

9.6 kbps (DL8)
End-User or IC's For rates - refer to
- Wire Center to Digital Link Service
Standard-Digital Tariff - Section 2
Serving Hub MegaLink I
- Hub to Hub

56 kbps (DL9)
End-User or IC's For rates - refer to
- Wire Center to Digital Link Service
Standard-Digital Tariff - Section 2
Serving Hub MegaLink I
- Hub to Hub

(3) (Reserved for Future Use)

(4) Bridging (BCNDA)

Per Port		
MegaLink I	18.00	\$ 0.00
MegaLink II	9.88	0.00

**(5) Secondary Channel
Capability (SCA)**

Per channel
termination

For all speeds	9.89	112.0'
----------------	------	--------

ACCESS SERVICE TARIFF
Section: 7
Sheet: 72
Revision: 1
Replacing: Original

7.3 Service Descriptions, Rates and Charges (Cont'd)

(F) Rates and Charges (Cont'd)

(D)
|
|
|
|
|
|
|
|
|
(D)

$$\begin{array}{c} (D) \\ | \\ | \\ | \\ | \\ | \\ (D) \end{array}$$

President - Texas Division
Southwestern Bell Telephone Company
Dallas, Texas
Issued: September 23, 1994
Effective: October 31, 1994

ACCESS SERVICE TARIFF
Section: 7
Sheet: 73
Revision: 2
Replacing: 1

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps {1}, 1.544 Mbps, or 44.736 Mbps isochronous serial digital data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided: [1] between customer designated premises; [2] between a customer designated premises and a SWBT hub; [3] between Network Reconfiguration Service (NRS) hubs; [4] between Transport Resource Management (TRM) Service hubs; [5] between a TRM Service hub and a SWBT hub; [6] between an NRS hub and a TRM Service hub; or [7] between an NRS hub and a SWBT hub.

(T)
|
(T)
|
(N)
|
(N)

It is the customer's responsibility to arrange for the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

(B) Technical Specifications Packages

Transmission Parameter	0	1 X	Package HC- 3
Error-Free Seconds			

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a Channel Service Unit equivalent which is designed, manufactured, and maintained to conform with the specifications contained in the appropriate Technical Reference for High Capacity Service.

(C) Channel Interfaces (CI)

The following channel interfaces define the bit rate that is available for a High Capacity DS1 channel:

CI	Bit Rate
DS-15 {2}	1.544 Mbps (DS1)

DS-44	44.736 Mbps (DS3)
-------	-------------------

(D) Reserved for Future Use

- {1} Available only as a channel of a 1.544 Mbps facility between two SWBT Digital Link hubs. The customer must provide system and channel assignment data.
- {2} A 64.0 kbps channel is available as a channel(s) of a 1.544 Mbps facility to a SWBT hub.

President - Texas Division
Southwestern Bell Telephone Company
Dallas, Texas
Issued: November 28, 1994
Effective: December 22, 1994

ACCESS SERVICE TARIFF
Section: 7
Sheet: 74
Revision: 4
Replacing: 3

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service (Cont'd)

(E) Optional Features and Functions

	Package HC-			
	0	1	2	
Automatic Loop Transfer		X		
Central Office Multiplexing				
DS0 to Subrate*	X			
DS1 to DS0		X		
DS1 to Voice		X		
DS3 to DS1			X	
Clear Channel Capability		X		(D)
Extended Superframe Format		X		(T)

*Available only on a channel of 1.544 Mbps facility to a SWBT hub or on a DS0 channel that connects to a customer's Network Reconfiguration Service (NRS) network which contains a DS1 channel.

(1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The control channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises.

(2) Central Office Multiplexing

(a) DS0 to Subrate

An arrangement that converts a 64.0 Kbps channel to subspeeds of up to twenty 2.4 Kbps, ten 4.8 Kbps, or five 9.6 Kbps channels using digital time division multiplexing.

(b) DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 Kbps channels utilizing digital time division multiplexing.

(c) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the hub can also be used for Digital Link, DovLink, Program Audio {1} or Metallic Service. (T)

{1} Obsolete -- Applicable to existing installations at existing locations (N)
for existing customers. (N)

President - Texas Division
Southwestern Bell Telephone Company
Dallas, Texas
Issued: September 16, 1994
Effective: December 22, 1994

ACCESS SERVICE TARIFF
Section: 7
Sheet: 75
Revision: 2
Replacing: 1

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service (Cont'd)

(E) Optional Features and Functions

(2) Central Office Multiplexing

(d) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(3) Clear Channel Capability

Clear Channel Capability is an optional feature that provides the customer with an increase in usable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as described in the appropriate Technical Reference for High Capacity Service. Customer equipment must be compatible with this method of providing the unconstrained signal.

(4) Extended Superframe Format

Extended Superframe Format is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity Service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 Kbps 193rd bit position into three distinct functionalities: 2 Kbps for frame synchronization, 2 Kbps for cyclic redundancy checking, and 4 Kbps used primarily to send performance monitoring information over the Facilities Data Link.

(5) (Reserved for Future Use)

(6) (Reserved for Future Use)

(7) (Reserved for Future Use)

(T)

(T)

(D) (T)

(D)

President - Texas Division
 Southwestern Bell Telephone Company
 Dallas, Texas
 Issued: March 1, 1994
 Effective: March 7, 1994

ACCESS SERVICE TARIFF
 Section: 7
 Sheet: 76
 Revision: 3
 Replacing: 2

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service (Cont'd)

(F) Rates and Charges (Cont'd)

Each rate element is shown with its associated USOC, where appropriate.

(1) <u>Channel</u>	Monthly Rate		Nonrecurring <u>Charge</u>
	<u>Fixed</u>	<u>Per Mile</u>	
<u>Termination</u> (TMECS)			
Per point of termination			
1.544 Mbps	\$ 207.00		\$ 645.00
1.544 Mbps {1}	275.27		645.00

44.736 Mbps (TWT++)

ICB

ICB

(D)
(D)
(D)

(2) Channel Mileage

64 kbps

Mileage Bands (1L5TC)

0 miles	7.61	0.00
Over 0 to 4	7.61	2.97
Over 4 to 8	9.27	2.57
Over 8 to 25	9.27	2.57
Over 25 to 50	17.16	2.24
Over 50	20.90	2.17

1.544 Mbps

Mileage Bands (1L5XX)

0 miles	0.00	0.00
Over 0	71.00	45.00

1.544 Mbps {1}

Mileage Bands

0 miles	0.00	0.00
Over 0 to 4	122.44	51.50
Over 4 to 8	122.44	51.50
Over 8 to 25	178.52	44.48
Over 25 to 50	205.80	43.39
Over 50	205.80	43.39

44.736 Mbps (1LO++)

Mileage Bands

0 miles	0.00	0.00
Over 0 miles	ICB	ICB

(D)
|
(D)

{1} Rate with service guarantee as indicated in 7.2.1(E).

President - Texas Division
 Southwestern Bell Telephone Company
 Dallas, Texas
 Issued: March 1, 1994
 Effective: March 7, 1994

ACCESS SERVICE TARIFF
 Section: 7
 Sheet: 77
 Revision: 1
 Replacing: Original

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service (Cont'd)

(F) Rates and Charges (Cont'd)

(2) Channel Mileage (Cont'd)

	Monthly Rate <u>Fixed</u>	Rate <u>Per Mile</u>	<u>Nonrecurring Charge</u>
(3) (Reserved for Future Use)			
(4) <u>Automatic Loop Transfer (T59)</u>			
Per arrangement {1}	\$ 866.79		\$ 0.00
(5) <u>Multiplexing</u>			
Per arrangement			
DS0 to Subrates			
Up to 20 2.4 kbps service (QSU24)	185.58		0.00
Up to 10 4.8 kbps service (QSU48)	361.52		0.00
Up to 5 9.6 kbps service (QSU96)	702.74		0.00
DS1 to DS0 (QMU)	232.80		0.00
DS1 to Voice {2} (MQ1)	232.80		0.00
DS3 to DS1 (MXB++)			
Per arrangement	ICB		0.00

- {1} An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer premises.
- {2} A channel of this DS1 to the hub can be used for Digital Data Service.